## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | - DATE        |  |  |  |  |  |
|---------------------------|----------|--------|---------------|--|--|--|--|--|
| FEE DETERMINATION         |          |        |               |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       |          |        | <del> </del>  |  |  |  |  |  |
| FORMALITY REVIEW          |          |        | · · · · · · · |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW | SA       | 689665 | 3-15-01       |  |  |  |  |  |
|                           |          |        | pi ,          |  |  |  |  |  |

## INDEX OF CLAIMS

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = |                            |   | Interference |
| _ | (Through numeral) Canceled |   | Appeal       |
| ÷ | Restricted                 |   | Objected     |

|               |          |               |            |                      |          |          |          |           |              | Nestrictes 0 |           |          |                 |          |          |              |                    |           | Upjected     |           |          |            |          |                         |          |     |                 |          |                |          |          |
|---------------|----------|---------------|------------|----------------------|----------|----------|----------|-----------|--------------|--------------|-----------|----------|-----------------|----------|----------|--------------|--------------------|-----------|--------------|-----------|----------|------------|----------|-------------------------|----------|-----|-----------------|----------|----------------|----------|----------|
|               | Claim    | Date          |            |                      |          |          |          | ]         | Claim Date   |              |           |          |                 |          |          | $\neg$       | Ìc                 | laim      | Date         |           |          |            |          |                         |          |     |                 |          |                |          |          |
|               | Final    | 4.7 8.02      | 97 03      |                      | Τ        | Γ        | Γ        | П         | 7            |              | ē         |          | Т               | Т        | T        | T            | Τ                  | Τ         | П            | ٦         |          | $\neg$     | T        | Τ                       | Τ        | Ť   | Ť               | Т        |                |          |          |
|               | E P      | 3 5           |            | $\perp$ L            |          |          | L        |           |              | Final        | Original  | - [      | 1               |          |          |              |                    |           |              |           | į        | Original   |          | ŀ                       |          |     |                 |          | 12             |          | :        |
| 1             |          | 41            | <b>1</b>   | $\perp$              | $\perp$  |          | L        |           | ]            |              | 51        |          | $\Box$          |          | T        | T            | $\top$             | T         | H            | 7         | F        | 101        | ╅        | +                       | ╁        | +   | 十               | ╆        | <del>  -</del> | Н        | $\vdash$ |
| •             | 12       | عله           | HH.        | +                    | ╀        | ╄        | $\vdash$ | 4         | 4            | Ш            | 52        | $\dashv$ | $\perp$         | $\perp$  | I        | Ţ            | $oldsymbol{\perp}$ | Γ         |              |           |          | 102        | 1        |                         | 1        | T   | 十               | 十        | ľ.             | ┌┤       | $\dashv$ |
|               |          |               | H +        | ╅                    | ╀        | +-       | Н        | 4         | -1           | Н            | 53        | 4        | 4               | $\bot$   | ╀        | ╀            | $\perp$            | Ļ         | $\sqcup$     | _         | L        | 103        |          | $oldsymbol{\mathbb{L}}$ | Γ        | Ι   | Ι               | Π        |                | $\Box$   | T        |
| •             |          |               | #          | ╅                    | ┿        | ╁        | Н        | 十         | -            | Н            | 54<br>55  | +        | ╬               | ╁        | ╀        | ╀            | ╄                  | ├-        | ++           |           | $\vdash$ | 104        | 4-       | 1                       | L        | F   | F               | $\Box$   | $\Box$         | 口        |          |
|               |          | <b>6</b>      | V          | 1                    | T        | †        | Н        | _         | 1            | Н            | 56        | +        | +               | ╁        | ╁        | ┿            | ╁                  | ╁         | H            | $\dashv$  | -        | 106        | ╬        | +-                      | +-       | ╀   | ╀               | ⊢        | Ш              | Н        | ᅴ        |
|               | 777      | 10            | 0          | Ι                    | Τ        |          |          |           | 1 1          |              | 57        | 1        | +               | ✝        | +        | 十            | +                  | H         | 11           | $\dashv$  | -        | 107        | 十        | +                       | ╁        | ╀   | ╀               | ╀        | Н              | Н        | -1       |
|               | 8        | 1             | 4          |                      | $\perp$  | L        |          | $\perp$   | ]            |              | 58        | I        | I               | I        | T        | İ            |                    |           | $\Box$       | 7         | 上        | 108        | 十        | +                       | +        | t   | ╁               | ┼-       | Н              | $\vdash$ | 뉘        |
|               | /3<br>10 | -44-          | #          | +                    | ╀        | ╄        | Ш        | _         | 4            |              | 59        | 4        | 1               | L        | L        | $\Gamma$     |                    | L         | П            | ]         |          | 108        |          | 1                       | T        | T   | $\vdash$        | ┢        | Н              | Ħ        | ᅥ        |
|               | 111      |               | H          | ╁                    | ╂-       | ╀        | $\vdash$ | +         | -            |              | 60<br>61  | +        | 4-              | ╀        | ╀        | Ļ            | 1_                 | Ŀ         | Ш            | 4         |          | 110        | I        | $\Gamma$                | L        |     |                 |          |                |          | コ        |
|               | 1        |               | +          | ╁                    | ╁        | ┢        | Н        | +         | -            |              | 52        | ┿        | ╁               | ╁╌       | ╁╾       | ╀            | ╀                  | -         | ₽            | -         | $\vdash$ | 111        | 4        | 1                       | ╀        | l.  | L               | Ŀ        | П              |          | ╗        |
|               | 13       | Ш             |            | +                    | T        |          | H        | +         | 1            |              | 63        | +        | +               | ╀        | ╀        | +-           | $\vdash$           | ⊢         | H            | $\dashv$  | $\vdash$ | 112        | +        | +                       | ╀        | ╀   | H               | $\vdash$ | Ц              | $\dashv$ | ᅴ        |
|               | 14       | Ш             | П          | I                    |          |          |          | _         | 1            |              | 54        | T        | +               | T        | †        | 1            | $\vdash$           | -         | H            | $\dashv$  | -        | 114        | +        | ╁                       | ╁        | ╁   | $\vdash$        | $\vdash$ | H              | -1       | $\dashv$ |
|               | 15       | Щ             | $\prod$    | Ţ                    | $\Gamma$ | $\Box$   |          | T         | ] [          |              | <b>35</b> | 1        | 1               | l        | İ        | L            |                    |           |              | $\exists$ |          | 115        | +        | †-                      | t        | H   | ┢               | Н        | $\vdash$       | +        | $\dashv$ |
| - 1           | 16<br>17 | +H            |            | +                    | ╀-       | Н        | $\sqcup$ | 4         |              |              | 8         | $\bot$   | T               | Г        | E        |              |                    |           | П            |           |          | 116        | I        | I                       | İ        | L   |                 | H        | $\sqcap$       | $\dashv$ | ヿ        |
|               | 18       |               | <b>↓</b> ┼ | +                    | ╀        | Н        |          | -         |              |              | 17<br>38  | +        | +-              | +        | 1        | 1            | Н                  | _         | $oxed{\Box}$ | 4         | L        | 117        | $\perp$  | 匚                       | Γ        |     |                 |          |                | コ        | J        |
|               | 19       | 1             | 才          | ╁                    | 1        | Н        | +        | ┿         | 1 1          | _            | 9         | ╫        | ╁               | ⊢        | ⊢        | ├-           | Н                  | _         | H            | 4         | -        | 118        | ╀        | ↓_                      | ┞        | L   | ota             | L        | $\dashv$       | 4        |          |
| 1             | (20)     | $\overline{}$ | ō          | †                    |          | Н        | 1        | +         | 1 1          | _            | 0         | +        | ╁               | +        | ⊢        | ┢            | Н                  |           | $\vdash$     | ┨         | -        | 120        | ╀        | ┼                       | ┞        | ├-  | -               | Ш        | 4              | 4        | 4        |
| ı             | 21       | 7,7           | . [        | T                    |          | Н        | $\dashv$ | +-        | 1 1          | _            | 71        | ┿        | +               | 1        | ┢        | ⊢            | $\vdash$           | $\dashv$  | -            | ┨         | -        | 121        | ╁        | ┼                       | ⊢        |     | Н               | H        | -              | +        | -        |
| -4            | 22       |               | V          | oxdot                |          |          |          |           | l            | 7            | 2         | T        | T               | T        | Г        |              | Н                  | _         | $\dashv$     | 1         | -        | 122        | +-       | ╁╌                      | ┢        | -   | $\vdash$        | Н        | $\dashv$       | ┰        | ٦.       |
| -             | 23 1     |               | 4          | 4                    | Н        | Ц        |          | $\bot$    | ] [          |              | 3         | Ι        | $oxed{\Box}$    |          |          |              |                    |           |              | 1         |          | 123        | †        | 1-                      | -        | H   | Н               | Н        | $\dashv$       | +        | $\dashv$ |
| إ             | 24 V     |               | ₩          | ╀┈                   | Н        | H        | -        | 4-        | <b> </b>     |              | 5         | $\perp$  | ╀               | ┞-       |          |              | $\Box$             | _]        | $\perp$      | ]         |          | 124        |          |                         |          | Ш   |                 |          | コ              | 士        | 1        |
| 1             | 26       | 11            | ₩          | ╁                    | Н        |          | +        | ╁         | H            | _            | 6         | +        | ╀               | ├-       | H        | L            | $\vdash$           |           | 4            | 4         | Щ        | 125        | 1        | $\perp$                 |          |     |                 |          | $\Box$         | $\Box$   |          |
| į             | 27       |               | <b>*</b> † | 1                    | Н        | $\dashv$ | +        | +         |              | 1            |           | ┿        | ╁               | ┢╌       | Н        | Н            | $\vdash$           | +         | +            | -         |          | 126<br>127 | ╁        |                         | H        | Н   | $\vdash$        | $\dashv$ | $\dashv$       | 4        | 4        |
|               | 28 √     |               | $\prod$    |                      |          |          | $\top$   |           | 1            | 7            | _         | T        | 1               |          |          |              |                    | 7         | +            | 1         |          | 128        | ┿        | Н                       | Н        | Н   | $\vdash \vdash$ | -        | +              | +        | $\dashv$ |
| Ļ             | 29 0     |               |            | Ц                    |          |          | $\Box$   | oxdamma   |              | 7            |           | Ι        |                 |          |          |              | $\Box$             | 7         |              | 1         |          | 129        | ╆        | H                       | Н        | Н   |                 | $\dashv$ | $\dashv$       | +        | $\dashv$ |
| $\rightarrow$ | 30       |               | 0          | +                    |          | -        | +        | 44        | L            | 8            |           | 1        | $\perp$         |          |          |              |                    | $\Box$    | $\perp$      | ]         |          | 30         |          |                         |          |     | $\neg$          | ヿ        | 十              | 十        | 1        |
| . ;           |          | 1             | ╫          | Н                    | $\dashv$ | +        | +        | ┦┤        | ┝            | 8            | _         | ╀        |                 |          | _        | _            | 4                  | 4         | 4            | 1         |          | 131        |          |                         |          |     | $\sqsupset$     | $\Box$   | $\Box$         | ユ        | ]        |
| 1             | 2010     | 1             | 廾          | Н                    | ┪        | +        | 十        | H         | ⊢            | 8            |           | ╀        | $\vdash$        | Н        | $\dashv$ | -            | $\dashv$           | $\dashv$  | +            | ┥         |          | 32         | ╄        | Ш                       | _        | Ц   | -               | 4        | 4              | $\perp$  | 4        |
| Ē             | 34       |               |            |                      | 7        | 7        | 十        | H         | _ <u> </u> - | 8            |           | ✝        | -               | Н        | -        | -            | +                  | $\dashv$  | +-           | ┨         |          | 134        | ╀-       | Н                       | $\dashv$ | -   | 4               | $\dashv$ | +              | +        | 4        |
|               | 35       | П             | T          | П                    | $\Box$   | $\Box$   | $\perp$  |           |              | 8            |           | L        |                 |          | 7        |              | _                  | 7         | 十            | 1         | _        | 35 .       | Н        | $\vdash$                | ᅥ        | 4   | ┪               | $\dashv$ | +              | +        | $\dashv$ |
| ŀ             | 36<br>37 | ╀             | +          | $\vdash$             | -        | 4        | 4        | Ш         | L            | 84           |           |          | Ц               |          | $\Box$   |              |                    | $\Box$    |              | ]         | _        | 36         |          |                         |          | 7   | 7               | 寸        | 寸              | 十        | 7        |
| ╌             | 38       | ╁╌╂╴          | ╁          | Н                    | +        | +        |          | ┼┤        | ŀ            | 81           |           | ╀        | Н               |          | 4        | 4            | 4                  | 4         | _            | ]         | —        | 37         |          |                         |          |     | コ               | コ        | 工              | 土        | ]        |
| ı             | 39       | $\vdash$      | +          | Н                    | +        | +        | ╅        | ╁┤        | ŀ            | 8            |           | ╀        | Н               | $\dashv$ | $\dashv$ | 4            | $\dashv$           | 4         | +            | ┨         |          | 38         | Н        |                         | 4        | 4   | 4               | 4        | $\perp$        | T        | ]        |
|               | 40       |               | 1          | П                    | 十        | +        | +        | $\forall$ | F            | 90           |           | ╁╌       | Н               | -1       | 7        | $\dashv$     | ╅                  | +         | +            | 1         | _        | 39<br>40   | Н        |                         | -        | +   | 4               | +        | +              | +        | 4        |
|               | 41       |               | $\top$     | П                    | 7        | 1        | 7        | П         | 一            | 91           | 1         | H        | Н               | 7        | +        | ┪            | +                  | +         | ╁            |           | _        | 41         | $\vdash$ | -1                      | $\dashv$ | +   | +               | +        | +              | +        | ┨        |
| L             | 42 /     | Ш             | $\Box$     |                      | $\Box$   |          |          | П         |              | 92           |           |          | П               | 7        | 寸        | 7            | +                  | $\dagger$ | ╅            | 1         |          | 42         | Н        | ┪                       | +        | ┪   | +               | +        | ┿              | ╁        | ┨        |
| ┝             | 43       | ╟╌╟           | +          | Н                    | 4        | _        | $\bot$   | П         |              | 93           | _         |          |                 | $\Box$   | $\equiv$ | $\Box$       | 工                  | Ī         | I            | 1         |          | 43         | П        | 1                       | 7        | . 1 | 十               | +        | 十              | 十        | 1        |
| ┝             | 44       | ┝┼            | +          | ${oldsymbol{arphi}}$ | 4        | - -      | ╀        | $\sqcup$  | $\perp$      | 94           | _         | L        | Ц               | 4        | 4        | $\downarrow$ | $\perp$            | I         | $\perp$      | ]         |          | 44         |          |                         |          |     | 丁               | Ī        | Ť              | T        | 1        |
| <b> </b>      | 48       | $\vdash$      | +          | $\vdash \vdash$      | +        | ╅        | ┿        | Н         | $\vdash$     | 95           | _         | -        | $\vdash \vdash$ | +        | +        | 4            | 4                  | 4         | 4            |           |          | 45         | $\Box$   | Į                       | I        | Ţ   | Ţ               | I        | 工              | I        | 1        |
| ٢             | 47       | $\vdash$      | $\top$     | $\vdash$             | +        | ╅        | +        | Н         | H            | 97           | _         |          | $\vdash \vdash$ | +        | ╬        | +            | +                  | +         | ╀            |           |          | 46         | $\dashv$ | 4                       | 4        | 4   | 4               | +        | +              | ╀        | 1        |
|               | 48       |               |            |                      | _        | +        | 1        | H         | ┢            | 98           |           | H        | H               | +        | +        | +            | ╁                  | +         | +-           |           | <u> </u> | 47<br>48   |          | +                       | +        | +   | +               | +        | +-             | ╀        | ┨.       |
| F             | 49       | ,1            | П          | $\Box$               | 1        | I        | I        | 口         |              | 99           |           |          |                 | 士        | ╁        | 士            | 十                  | †         | 1            |           | <u> </u> | _          | $\dashv$ | +                       | +        | ╅   | +               | +        | +              | +        | 1:       |
| L             | 50       | 4             | ш          |                      | $\perp$  | $\perp$  |          |           |              | 100          |           |          | $\Box$          | I        | $\perp$  | I            | 工                  | I         |              |           | 1        |            | コ        | 士                       | J.       | t   | 士               | 士        | $\pm$          |          | 1        |
|               |          |               |            |                      |          |          |          |           |              |              |           |          |                 |          |          |              |                    |           |              | _         |          |            |          |                         |          |     |                 |          |                |          | • :      |

If more than 150 claims or 10 actions staple additional sheet here

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